

ABSTRACT

A pipeline closing apparatus comprises a lid member attachable to a downstream end portion of a sluice valve, a first control shaft 8 extending through the lid member, a second control shaft 9 extending through the first control shaft 8, an elastic annular member 12 disposed between pressing plates 10 and 11 provided on inward end regions of the control shafts 8 and 9 and elastically deformable to a diameter-increased position by being clamped and pressed, thereby to block between an inner peripheral surface of a branch pipe and the pressing plates, and a retaining device D provided between the inward end region of the second control shaft 9 and the upstream pressing plate 11 and including engaging link pairs 13 and 14 flexing and bulging to a diameter-increased position in response to outward sliding movement of the second control shaft 9 relative to the first control shaft 8. The apparatus further comprises a reversal preventing device F which, when the engaging link pairs 13 and 14 of the retaining device are stretched to a diameter-reduced position, contacts and limits the engaging link pairs 13 and 14 to an outwardly bent position where flexing pivotal portions of the engaging link pairs 13 and 14 project radially outward.

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